

NORTHWEST LABORATORIES

of Seattle, Incorporated

ESTABLISHED 1896

Technical Services for: Industry, Commerce, Legal Profession & Insurance Industry

1530 FIRST AVENUE SOUTH

• SEATTLE, WASHINGTON 98134 •

Telephone: (206) 622-0680

Report To: Alaskan Copper

Date: December 8, 1983

Report On: Effluent

Lab No: E 29603

IDENTIFICATION:

Metro sump sample

3600

11/30/83

ANALYSIS:

pH

9.4

ppm

Cadmium, Cd

<0.05

Chromium, Cr

0.3

Copper, Cu

2.0

Nickel, Ni

0.4

Lead, Pb

0.9

Silver, Ag

0.4

Zinc, Zn

1.1

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Clyde J. Ambacher
CLYDE J. AMBACHER

cjb

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Report To: Alaskan Copper & Brass

Date: December 13, 1983

Report On: Acid pickling solution

Lab No: E 29659

SUBMITTED:

3 sampels of acid

IDENTIFICATION:

Sample #1 Nitric Solution 12/07/83; 3600

#2 Nitric Solution 3200

#3 Nitric Solution 12/9/83 SPS

ANALYSIS:

	<u>Sample #1</u>	<u>Sample #2</u>	<u>Sample #3</u>
Specific Gravity, 60°F/60°F	1.109	1.156	1.126
Acid (as nitric acid), %	9.34	9.85	8.83

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